WEST Search History

DATE: Monday, December 08, 2003

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
L24	L23 and ((map$) near5 (hierarchical database))	6	L24
L23	L22 and l17	258	L23
L22	(hierarchical database) same (relational database)	258	L22
L21	(hierarch$ and relational and sql).ti.	1	L21
L20	L19 and (dataset$1)	1	L20
L19	L18 and (entit$ near5 objects)	39	L19
L18	L17 and (map$ near5 databases)	153	L18
L17	(hierarc$ near5 database) same (relational near5 database)	864	L17
L16	(hierarch$ and relational and database$ and map$).ti.	4	L16
L15	(hierarch$ and relational and database$).ti.	53	L15
L14	L13 and (data near5 commands)	3	L14
L13	L12 and (map$ near5 fields)	16	L13
L12	L11 and (data near5 entit$)	186	L12
L11	L10 and (relational near5 database$)	296	L11
L10	L9 and (shar$ near5 data)	625	L10
L9	L8 and (map$ near5 data)	1878	L9
L8	L7 and (hierarch$ near5 data$)	7709	L8
L7	database$ or data$base$	211341	L7
L6	5553209.pn.	2	L6
L5	(hierarch$ and database$ and map$).ti.	17	L5
L4	(5918232| 6360229| 6374252| 6377934| 6381743)![pn]	10	L4
L3	6594672.pn.	2	L3
L2	(hierarch$ and database$ and xml).ti.	4	L2
L1	(hierarch$ and database$).ti.	395	L1

END OF SEARCH HISTORY

WEST

Generate Collection | Print

Search Results - Record(s) 1 through 53 of 53 returned.

1. Document ID: US 20030101194 A1

L15: Entry 1 of 53 File: PGPB May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030101194
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030101194 A1

TITLE: System and method for loading hierarchical data into relational database systems

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rys, Michael	Sammamish	WA	US	
Suver, Chris	Seattle	WA	US	
Denuit, Bruno	Bellevue	WA	US	
Burugapalli, Srinivasa	Sammamish	WA	US	
Low, Murray	Santa Cruz	CA	US	

US-CL-CURRENT: 707/101

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

2. Document ID: US 20030033285 A1

L15: Entry 2 of 53 File: PGPB Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033285
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030033285 A1

TITLE: Mechanism to efficiently index structured data that provides hierarchical access in a relational database system

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jalali, Neema	Belmont	CA	US	
Sedlar, Eric	San Francisco	CA	US	
Agarwal, Nipun	Santa Clara	CA	US	
Murthy, Ravi	Fremont	CA	US	

US-CL-CURRENT: 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 3. Document ID: US 20020010700 A1

L15: Entry 3 of 53 File: PGPB Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010700
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010700 A1

TITLE: System and method for sharing data between relational and hierarchical databases

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wotring, Steven C.	Austin	TX	US	
Ripley, John R.	Round Rock	TX	US	

US-CL-CURRENT: 707/100

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 4. Document ID: US 6539398 B1

L15: Entry 4 of 53 File: USPT Mar 25, 2003

US-PAT-NO: 6539398
DOCUMENT-IDENTIFIER: US 6539398 B1
**** See image for Certificate of Correction ****

TITLE: Object-oriented programming model for accessing both relational and hierarchical databases from an objects framework

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hannan; Richard G.	San Jose	CA		
Ho; Shyh-Mei Fang	Cupertino	CA		
Watts; Vern L.	Los Altos	CA		

US-CL-CURRENT: 707/103R

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 5. Document ID: US 6505205 B1

L15: Entry 5 of 53 File: USPT Jan 7, 2003

US-PAT-NO: 6505205
DOCUMENT-IDENTIFIER: US 6505205 B1

TITLE: Relational database system for storing nodes of a hierarchical index of multi-dimensional data in a first module and metadata regarding the index in a

second module

DATE-ISSUED: January 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kothuri; Ravi	Nashua	NH		
Ravada; Siva	Tewksbury	MA		
Sharma; Jayant	Nashua	NH		
Banerjee; Jayanta	Nashua	NH		

US-CL-CURRENT: 707/100; 707/1, 707/101, 707/104.1, 707/7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 6. Document ID: US 6480857 B1

L15: Entry 6 of 53 File: USPT Nov 12, 2002

US-PAT-NO: 6480857
DOCUMENT-IDENTIFIER: US 6480857 B1

TITLE: Method of organizing hierarchical data in a relational database

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chandler; David	Cedar Rapids	IA	52404	

US-CL-CURRENT: 707/100; 707/101, 707/102, 707/103R

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 7. Document ID: US 6438549 B1

L15: Entry 7 of 53 File: USPT Aug 20, 2002

US-PAT-NO: 6438549
DOCUMENT-IDENTIFIER: US 6438549 B1
**** See image for Certificate of Correction ****

TITLE: Method for storing sparse hierarchical data in a relational database

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aldred; Barry Keith	Hampshire			GB
Byrne; Debora Jean	Austin	TX		
Shi; Shaw-Ben	Austin	TX		
Stokes; Ellen J.	Liberty Hill	TX		

US-CL-CURRENT: 707/9; 707/102, 707/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

8. Document ID: US 6065018 A

L15: Entry 8 of 53 File: USPT May 16, 2000

US-PAT-NO: 6065018
DOCUMENT-IDENTIFIER: US 6065018 A

TITLE: Synchronizing recovery log having time stamp to a remote site for disaster recovery of a primary database having related hierarchical and relational databases

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beier; Harley Al	San Martin	CA		
Kern; Robert Frederic	Southampton			GB
Moore; David Wayne	Morgan Hills	CA		
Ranson; Karen Alicia	San Jose	CA		
Watts; Vern Lee	Los Altos	CA		

US-CL-CURRENT: 707/202; 707/201, 707/203, 707/204, 709/101, 709/201, 714/12, 714/20

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

9. Document ID: US 5974407 A

L15: Entry 9 of 53 File: USPT Oct 26, 1999

US-PAT-NO: 5974407
DOCUMENT-IDENTIFIER: US 5974407 A

TITLE: Method and apparatus for implementing a hierarchical database management system (HDBMS) using a relational database management system (RDBMS) as the implementing apparatus

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sacks; Jerome E.	Lexington	MA	02173	

US-CL-CURRENT: 707/2; 707/1, 707/100

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

10. Document ID: US 5960438 A

L15: Entry 10 of 53 File: USPT Sep 28, 1999

US-PAT-NO: 5960438
DOCUMENT-IDENTIFIER: US 5960438 A

TITLE: Class hierarchy for object aggregation representation of relational database rows with cells having nontraditional datatypes

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chang; Daniel T.	San Jose	CA		
Hembry; Douglas M.	Los Gatos	CA		
Soetarman; Basuki N.	Los Gatos	CA		
Summers; Robert N.	San Jose	CA		

US-CL-CURRENT: 707/103R; 707/100, 707/104.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 11. Document ID: US 5764978 A

L15: Entry 11 of 53 File: USPT Jun 9, 1998

US-PAT-NO: 5764978
DOCUMENT-IDENTIFIER: US 5764978 A

TITLE: Database system having a hierarchical network database and a corresponding relational database

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Masumoto; Toshihiko	Kobe			JP

US-CL-CURRENT: 707/100; 707/102

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 12. Document ID: US 5724577 A

L15: Entry 12 of 53 File: USPT Mar 3, 1998

US-PAT-NO: 5724577
DOCUMENT-IDENTIFIER: US 5724577 A

TITLE: Method for operating a computer which searches a relational database organizer using a hierarchical database outline

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Exley; Francis E.	Arlington	VA		
McCoy; Glenn C.	Nichols	NY		
Nicholson; Susan C.	Owego	NY		
Masselle; Eric	Vestal	NY		

US-CL-CURRENT: 707/100; 345/841, 345/853, 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 13. Document ID: US 5295261 A

L15: Entry 13 of 53 File: USPT Mar 15, 1994

US-PAT-NO: 5295261
DOCUMENT-IDENTIFIER: US 5295261 A
**** See image for Certificate of Correction ****

TITLE: Hybrid database structure linking navigational fields having a hierarchial database structure to informational fields having a relational database structure

DATE-ISSUED: March 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simonetti; Charles T.	Citrus Heights	CA		

US-CL-CURRENT: 707/2; 707/101

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 14. Document ID: WO 3030032 A2

L15: Entry 14 of 53 File: EPAB Apr 10, 2003

PUB-NO: WO003030032A2
DOCUMENT-IDENTIFIER: WO 3030032 A2
TITLE: AN EFFICIENT INDEX STRUCTURE TO ACCESS HIERARCHICAL DATA IN A RELATIONAL DATABASE SYSTEM

PUBN-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	COUNTRY
JALALI, NEEMA	
SEDLAR, ERIC	
AGARWAL, NIPUN	
MURTHY, RAVI	

INT-CL (IPC): G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 15. Document ID: GB 2368427 A

L15: Entry 15 of 53 File: EPAB May 1, 2002

PUB-NO: GB002368427A
DOCUMENT-IDENTIFIER: GB 2368427 A
TITLE: Mapping hierarchical object data to a relational database schema

WEST

Generate Collection | Print

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20020184401 A1

L14: Entry 1 of 3 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184401
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184401 A1

TITLE: Extensible information system

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kadel, Richard William JR.	San Diego	CA	US	
Herman, Jeffrey Stephan	San Diego	CA	US	
Exline, Christopher Lee	San Diego	CA	US	
Almilli, David Edward	La Mesa	CA	US	
Priebe, Christopher C.	San Diego	CA	US	

US-CL-CURRENT: 709/315

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Image

☐ 2. Document ID: US 20020010700 A1

L14: Entry 2 of 3 File: PGPB Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010700
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010700 A1

TITLE: System and method for sharing data between relational and hierarchical databases

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wotring, Steven C.	Austin	TX	US	
Ripley, John R.	Round Rock	TX	US	

US-CL-CURRENT: 707/100

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Image

☐ 3. Document ID: US 6658429 B2

L14: Entry 3 of 3 File: USPT Dec 2, 2003

US-PAT-NO: 6658429
DOCUMENT-IDENTIFIER: US 6658429 B2

TITLE: Laboratory database system and methods for combinatorial materials research

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dorsett, Jr.; David R.	Pleasanton	CA		

US-CL-CURRENT: 707/1

Generate Collection | Print

Term	Documents
DATA	2721544
DATUM	24851
COMMANDS	178022
COMMAND	409434
(13 AND (COMMANDS NEAR5 DATA)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3
(L13 AND (DATA NEAR5 COMMANDS)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3

Display Format: - Change Format

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WEST

Generate Collection | Print

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: JP 2003288365 A

L2: Entry 1 of 4 File: DWPI Oct 10, 2003

DERWENT-ACC-NO: 2003-761749
DERWENT-WEEK: 200372
COPYRIGHT 2003 DERWENT INFORMATION LTD
TITLE: Additional information management method for XML document management in company, involves storing additional and binary information at similar positions in databases, based on similarity between hierarchized logic structures

PRIORITY-DATA: 2002JP-0092920 (March 28, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003288365 A	October 10, 2003		015	G06F017/30

INT-CL (IPC): G06 F 17/21; G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

2. Document ID: US 20030154404 A1

L2: Entry 2 of 4 File: DWPI Aug 14, 2003

DERWENT-ACC-NO: 2003-745479
DERWENT-WEEK: 200370
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TITLE: Network management policy generation method e.g. for Internet involves transforming hierarchical policy into another policy in XML format, which is stored in configuration database

INVENTOR: BEADLES, M A; BELL, R J ; EMERICK, W S ; MULH, K E ; RUSSO, K A

PRIORITY-DATA: 2001US-312395P (August 14, 2001), 2002US-0219236 (August 13, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030154404 A1	August 14, 2003		088	H04L009/00

INT-CL (IPC): H04 L 9/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

3. Document ID: JP 2003271443 A

L2: Entry 3 of 4 File: DWPI Sep 26, 2003

DERWENT-ACC-NO: 2003-739506
DERWENT-WEEK: 200370

TITLE: Structuring data storing system e.g. for XML and SGML, stores identifier of higher-order node for each hierarchy of tree structure, in relational database management system

PRIORITY-DATA: 2002JP-0073045 (March 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003271443 A	September 26, 2003		011	G06F012/00

INT-CL (IPC): G06 F 12/00; G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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4. Document ID: US 6594672 B1 WO 200193111 A2 EP 1323070 A2

L2: Entry 4 of 4 File: DWPI Jul 15, 2003

DERWENT-ACC-NO: 2002-090112
DERWENT-WEEK: 200348

TITLE: Accessing source database to create meta-outline by creating hierarchical relationship for dimensions of data and creating XML document from meta-outline and meta-model

INVENTOR: ABRAMS, M A; BEARDSLEY, B ; LAMPSON, D

PRIORITY-DATA: 2000US-0586682 (June 1, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6594672 B1	July 15, 2003		000	G06F017/30
WO 200193111 A2	December 6, 2001	E	041	G06F017/30
EP 1323070 A2	July 2, 2003	E	000	G06F017/30

INT-CL (IPC): G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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Generate Collection Print

WEST

Generate Collection | Print

Search Results - Record(s) 1 through 17 of 17 returned.

1. Document ID: US 6643642 B1

L5: Entry 1 of 17 File: USPT Nov 4, 2003

US-PAT-NO: 6643642
DOCUMENT-IDENTIFIER: US 6643642 B1

TITLE: Hierarchical mapped database system for identifying searchable terms associated with data nodes

DATE-ISSUED: November 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Habegger; Millard J.	Scituate	MA		

US-CL-CURRENT: 707/5; 707/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

2. Document ID: GB 2368427 A

L5: Entry 2 of 17 File: EPAB May 1, 2002

PUB-NO: GB002368427A
DOCUMENT-IDENTIFIER: GB 2368427 A
TITLE: Mapping hierarchical object data to a relational database schema

PUBN-DATE: May 1, 2002

INVENTOR-INFORMATION:

NAME	COUNTRY
GARCIA, JULIO CESAR	US
HUNT, JOSEPH R	US

INT-CL (IPC): G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

3. Document ID: NN9510309

L5: Entry 3 of 17 File: TDBD Oct 1, 1995

TDB-ACC-NO: NN9510309

DISCLOSURE TITLE: Mapping a Relational Database to a Hierarchical File System

PUBLICATION-DATA:
IBM Technical Disclosure Bulletin, October 1995, US

VOLUME NUMBER: 38
ISSUE NUMBER: 10
PAGE NUMBER: 309 - 312

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 4. Document ID: US 6643642 B1

L5: Entry 4 of 17 File: DWPI Nov 4, 2003

DERWENT-ACC-NO: 2003-828997
DERWENT-WEEK: 200377
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TITLE: Hierarchical mapped database system for Internet-based company, has search engine which retrieves searchable terms of data nodes by identifying and encoding data records with unique identifiers of data nodes

INVENTOR: HABEGGER, M J

PRIORITY-DATA: 1999US-0457096 (December 7, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6643642 B1	November 4, 2003		019	G06F017/30

INT-CL (IPC): G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 5. Document ID: US 20030088572 A1

L5: Entry 5 of 17 File: DWPI May 8, 2003

DERWENT-ACC-NO: 2003-567621
DERWENT-WEEK: 200353
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TITLE: Hierarchical databases management method, involves building logical map utilizing global directive with reading segment from hierarchical database and writing segment to target unload file

INVENTOR: SMITH, A R

PRIORITY-DATA: 2001US-0053442 (November 2, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030088572 A1	May 8, 2003		016	G06F007/00

INT-CL (IPC): G06 F 7/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 6. Document ID: US 20030018658 A1

L5: Entry 6 of 17 File: DWPI Jan 23, 2003

DERWENT-ACC-NO: 2003-362233
DERWENT-WEEK: 200334
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TITLE: Data transfer method for computer system, involves creating mapping between source and target hierarchical databases and merging created mapping with source database classifier

INVENTOR: FORMAN, G H; SUERMONDT, H J

PRIORITY-DATA: 2001US-0908388 (July 17, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030018658 A1	January 23, 2003		014	G06F012/00

INT-CL (IPC): G06 F 12/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 7. Document ID: JP 2002175327 A

L5: Entry 7 of 17 File: DWPI Jun 21, 2002

DERWENT-ACC-NO: 2002-524771
DERWENT-WEEK: 200256
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TITLE: Distributed database management method through internet, involves mapping information acquired with respect to each database to lower-order hierarchy of meta-index information

PRIORITY-DATA: 2000JP-0370612 (December 5, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002175327 A	June 21, 2002		014	G06F017/30

INT-CL (IPC): G06 F 12/00; G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 8. Document ID: GB 2368427 A

L5: Entry 8 of 17 File: DWPI May 1, 2002

DERWENT-ACC-NO: 2002-456527
DERWENT-WEEK: 200249

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TITLE: Hierarchical object data mapping method in relational database management system, involves building database table for each leaf object and generating database view for each object interface

INVENTOR: GARCIA, J C; HUNT, J R

PRIORITY-DATA: 2000US-0597200 (June 20, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
GB 2368427 A	May 1, 2002		024	G06F017/30

INT-CL (IPC): G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 9. Document ID: US 20030120372 A1 WO 200206919 A2 AU 200173190 A US 20020059003 A1 EP 1311928 A2 US 20030114950 A1

L5: Entry 9 of 17 File: DWPI Jun 26, 2003

DERWENT-ACC-NO: 2002-171854
DERWENT-WEEK: 200343
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TITLE: Data mapping system of data of multiple-database origin for analyzing processes based on displaying data to user using hierarchy including data nodes and data leaves

INVENTOR: DORR, S; GALEMMO, N ; JUNAK, J ; LIBOUDAN, O ; NEWAY, J ; RUTH, J ; DORR, S A ; JUNAK, J A ; LIBOUBAN, O ; NEWAY, J O ; RUTH, J D

PRIORITY-DATA: 2001US-0816547 (March 26, 2001), 2000US-219463P (July 18, 2000), 2003US-0354018 (January 30, 2003), 2003US-0354192 (January 30, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030120372 A1	June 26, 2003		000	G06F019/00
WO 200206919 A2	January 24, 2002	E	081	G06F000/00
AU 200173190 A	January 30, 2002		000	G06F000/00
US 20020059003 A1	May 16, 2002		000	G05B019/18
EP 1311928 A2	May 21, 2003	E	000	G06F001/00
US 20030114950 A1	June 19, 2003		000	G06F019/00

INT-CL (IPC): G05 B 11/01; G05 B 19/18; G06 F 0/00; G06 F 1/00; G06 F 7/00; G06 F 17/30; G06 F 19/00; G11 C 5/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 10. Document ID: JP 2001175744 A

L5: Entry 10 of 17 File: DWPI Jun 29, 2001

DERWENT-ACC-NO: 2001-479736
DERWENT-WEEK: 200152
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TITLE: Customer information management system for real estate business, displays map information based on map information searched from database and customer information using hierarchical symbol

PRIORITY-DATA: 1999JP-0361958 (December 20, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001175744 A	June 29, 2001		009	G06F017/60

INT-CL (IPC): G06 F 17/30; G06 F 17/60; G06 T 1/00; G09 B 29/00

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☐ 11. Document ID: US 6237006 B1

L5: Entry 11 of 17 File: DWPI May 22, 2001

DERWENT-ACC-NO: 2001-610299
DERWENT-WEEK: 200342
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TITLE: Computer-implemented hierarchical node structure representation for database management, involves displaying parent nodes with children nodes around respective immediate parent nodes in 2D non-hyperbolic map

INVENTOR: POGREBISKY, M; WEINBERG, A

PRIORITY-DATA: 1996US-028474P (October 15, 1996), 1997US-0843265 (April 11, 1997), 1999US-0437562 (November 10, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6237006 B1	May 22, 2001		044	G06F017/30

INT-CL (IPC): G06 F 13/00; G06 F 17/30; G06 T 15/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 12. Document ID: EP 1247165 A1 WO 200125895 A1 AU 200079906 A

L5: Entry 12 of 17 File: DWPI Oct 9, 2002

DERWENT-ACC-NO: 2001-536071
DERWENT-WEEK: 200267
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TITLE: Computer implemented data transformation method involves transforming data from relational database to hierarchical documents using import map

INVENTOR: RIPLEY, J; WOTRING, S

PRIORITY-DATA: 1999US-157477P (October 1, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1247165 A1	October 9, 2002	E	000	G06F007/00
WO 200125895 A1	April 12, 2001	E	039	G06F007/00
AU 200079906 A	May 10, 2001		000	G06F007/00

INT-CL (IPC): G06 F 7/00; G06 F 17/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Clip Img | Image

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☐ 13. Document ID: US 6199059 B1

L5: Entry 13 of 17 File: DWPI Mar 6, 2001

DERWENT-ACC-NO: 2001-440038
DERWENT-WEEK: 200147
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TITLE: Data classification and retrieval system for component and supplier management system, has searching device which scans map database using at least one schema selected by using virtual object hierarchy

INVENTOR: DAHAN, H E; GALVIN, M J

PRIORITY-DATA: 1998US-0063680 (April 22, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6199059 B1	March 6, 2001		021	G06F017/30

INT-CL (IPC): G06 F 17/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Clip Img | Image

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☐ 14. Document ID: JP 11120332 A JP 3293764 B2

L5: Entry 14 of 17 File: DWPI Apr 30, 1999

DERWENT-ACC-NO: 1999-332184
DERWENT-WEEK: 200273
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TITLE: Formation method for map database - involves performing string attachment of polygon, that is generated by performing closed graphic process for every shape data, with address term data of hierarchical level corresponding to layer file

PRIORITY-DATA: 1997JP-0293671 (October 9, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11120332 A	April 30, 1999		012	G06T001/00
JP 3293764 B2	June 17, 2002		011	G06T011/60

INT-CL (IPC): G06 F 17/30; G06 T 1/00; G06 T 11/60; G09 B 29/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Clip Img | Image

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☐ 15. Document ID: CA 2183842 A

L5: Entry 15 of 17 File: DWPI Mar 1, 1997

DERWENT-ACC-NO: 1997-298746

DERWENT-WEEK: 199729
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TITLE: Address location and communication system for manipulating digital map information - has database structuring device that arranges information retrievable from database of locatable object into hierarchy of location information groupings

INVENTOR: GRAY, K A

PRIORITY-DATA: 1995US-0521828 (August 31, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CA 2183842 A	March 1, 1997		046	G06F019/00

INT-CL (IPC): G06 F 19/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 16. Document ID: US 5519619 A

L5: Entry 16 of 17 File: DWPI May 21, 1996

DERWENT-ACC-NO: 1996-259330
DERWENT-WEEK: 199626
COPYRIGHT 2003 DERWENT INFORMATION LTD
TITLE: Route planning method using hierarchical map database having layers each representing different level of detail - extracting list of road segments, connecting origin location, from initial planning layer of database, selecting alternative planning layer if heading criteria, measured between segment heading and destination heading is exceeded

INVENTOR: SEDA, J W

PRIORITY-DATA: 1994US-0209590 (March 14, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5519619 A	May 21, 1996		009	G06F165/00

INT-CL (IPC): G06 F 165/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Clip Img | Image

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☐ 17. Document ID: ES 2174933 T3 WO 9520799 A1 AU 9516923 A NO 9503713 A EP 692127 A1 AU 669645 B TW 275678 A US 5553209 A JP 08503326 W NO 308275 B1 CA 2154760 C EP 692127 B1 DE 69526752 E

L5: Entry 17 of 17 File: DWPI Nov 16, 2002

DERWENT-ACC-NO: 1995-275544
DERWENT-WEEK: 200302
COPYRIGHT 2003 DERWENT INFORMATION LTD
TITLE: Automatic display of map symbols for military or geographic information display - retrieves records from hierarchical database and modifies stored symbol data if clutter and overlap exceeds threshold

INVENTOR: BARRETT, W H; JOHNSON, K R

PRIORITY-DATA: 1994US-0187953 (January 28, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2174933 T3	November 16, 2002		000	G06T017/50
WO 9520799 A1	August 3, 1995	E	028	G06T017/50
AU 9516923 A	August 15, 1995		000	G06T017/50
NO 9503713 A	September 20, 1995		000	G06T017/50
EP 692127 A1	January 17, 1996	E	001	G06T017/50
AU 669645 B	June 13, 1996		000	G06T017/50
TW 275678 A	May 11, 1996		000	G06F015/20
US 5553209 A	September 3, 1996		015	G06F015/20
JP 08503326 W	April 9, 1996		030	G06T001/00
NO 308275 B1	August 21, 2000		000	G06T017/50
CA 2154760 C	August 29, 2000	E	000	G06T017/50
EP 692127 B1	May 22, 2002	E	000	G06T017/50
DE 69526752 E	June 27, 2002		000	G06T017/50

INT-CL (IPC): G06 F 15/20; G06 F 17/30; G06 T 1/00; G06 T 17/50; G09 G 5/36

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A. Silberschatz, H.F. Korth, and S. Sudarshan, *Database System Concepts*, McGraw-Hill, third edition, 1999.

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Efficient PDA Synchronization - Starobinski, Trachtenberg, Agarwal (Correct)

....to the PC. # Likewise, the PC uses the PDA s Bloom filter to calculate and transmit all the data elements the PDA is missing. **We do not address issues about which specific data to keep at the end of the synchronization cycle, but several techniques from the database literature may be adapted [23].** In practice, the hashing operation needs to be performed only once per entry, at the time that the entry is added to the data set; thus the complexity of hashing is not a bottleneck for synchronization. **Nevertheless**, we restrict entries to 15 bits so as to avoid issues of multiple precision ....

A. Silberschatz, H.F. Korth, and S. Sudarshan, *Database System Concepts*, McGraw-Hill, third edition, 1999.

An XML based framework for self-describing parallel I/O data - Belokosztolszki, Schikuta (Correct)

....on our approach. **Finally** we describe briefly our mechanism as a central part of a novel distributed file system and give an outlook on using our approach for information stored on the Datagrid. 2. **A novel file hierarchy The goal of a database system is to simplify and facilitate access to data [10].** This goal also holds adequately for data produced in high performance applications. **We** can learn from database systems to follow a similar approach to free the user from the burden of physical details. **In** database systems the above objective is achieved by the well known three layered approach ....

A. Silberschatz, H. Korth, S. S., H. F. Korth, and S. Sudarshan. *Database Systems Concepts*. McGraw-Hill, 1996.

Dealing with Semantic Heterogeneity by - Generalization-Based Data Mining (Correct)

....one or a set of lower layer relations. **Similar to many extended relational databases, a route map can be represented by an extended E R (entity relationship) diagram [24] in which the entities and relationships at layer 0 (the orig inal database) can be represented in a conventional E R diagram [19]; whereas generalization is represented by a double line arrow pointed from the generalizing entity (or relationship) to the generalized entity (or relationship) For example, house is a higher layer entity generalized from a lower layer entity house, as shown in Fig.** 1. **Similarly**, sales buyer is ....

....layer relationship, obtained by generalizing the join of sales and buyer . It is represented as a generalization from a relationship obtained by joining one entity and one relationship in the route map (Fig. **1) Since an extended E R database can be easily mapped into an extended relational one [19], our discussion assumes such mappings and still adopts the terminologies from an extended relational model.** A generalization path is created for each high layer relation to represent how the relation is obtained in the generalization. **Such** a high layer relation is possibly obtained by removing a ....

H. F. Korth and A. Silberschatz. *Database System Concepts*, ed. McGraw-Hill, 1991.

Fast PDA Synchronization Using - Characteristic Polynomial.. (2002) (Correct)

....all the Palm data to the desktop, and uses this information to determine the differences. 0 7803 7476 2 02 17.00 (c) 2002 IEEE. **We do not address issues about which specific data to keep at the end of the synchronization cycle, but several techniques from the database literature may be adapted [12].** We also avoid issues of hashing by restricting entries to 15 bit integers. **We** note that, in practice, the hashing operation needs to be performed only once per entry, at the time that the entry is added to the data set; thus the complexity of hashing is not a bottleneck for synchronization. **By** ....

A. Silberschatz, H F Korth, and S. Sudarshan, *Database System Concepts*, McGraw-Hill, third edition, 1999.

Universidade Federal Do Rio Grande Do Sul - Instituto De Informtica (Correct)

....feature. **In** order to accomplish this, we propose to normalize the XML view to remove ambiguity. **The** proposal for the XML view normalization will take advantage of the relation between non first normal form relations (NF) and XML. **NF relations have been used to represent XML instances [ABI 84, SIL 2002a] since both models have common features: multivalued attributes and hierarchical structure.** Consequently, we can work in a normal form for NF relations and map it to XML. **With** this in mind, we decided to use NF relations in the uR2X and R2X design. **The** implementation model of both languages ....

....relation is given in [ELM 2000] It defines a non first normal form relation as a relation that allows composite and multivalued attributes, thus leading to complex tuples with hierarchical structure. **This hierarchical structure resembles the XML model and has been used to represent it [ABI 84, SIL 2002a] A relational database is a set of flat relations (first normal form relations) whereas an XML instance can be considered an NF view.** Several researchers [ARI 83, JAE 82, FIS 85, ROT 88] address the problem of obtaining non first normal form relations from normalized ones. **They** do this by ....

[Article contains additional citation context not shown here]

SILBERSCHATZ, A.; KORTH, H.; SUDARSHAN, S. *Database system concepts*. 4th.ed. [S.l.]: Mc Graw Hill, 2002.

Fast PDA Synchronization Using - Characteristic Polynomial.. (Correct)

....sync, which upon synchronization, sends all the Palm data to the desktop, and uses this information to determine the differences. **We do not address issues about which specific data to keep at the end of the synchronization cycle, but several techniques from the database literature may be adapted [12].** We also avoid issues of hashing by restricting entries to 15 bit integers. **We** note that, in practice, the hashing operation needs to be performed only once per entry, at the time that the entry is added to the data set; thus the complexity of hashing is not a bottleneck for synchronization. **By** ....

A. Silberschatz, H.F. Korth, and S. Sudarshan, *Database System Concepts*, McGraw-Hill, third edition, 1999.

Authentic Data Publication over the Internet - Devanbu, Gertz, Martel.. (Correct)

....we will present the basic notions underlying relational databases and queries formulated in relational

algebra. **In** Section 3.2, we will discuss the computation and usage of Merkle Hash Trees. 3. 1 **Relational Databases The data model underlying our approach is the relational data model (see, e.g. [8, 25]) That is, we assume that the data owner and publishers manage the data using a relational database management system (DBMS) The basic structure underlying the relational data model is the relation.** A relation schema R#A 1 , A 2 , A n consists of a relation name R and an ordered set ....

....be used. **We** will only sketch the basic concept for using this structure here. **Instead of a space consuming materialization of the Cartesian Product RS, we materialize the Full Outer Join R ### S which pads tuples for which no matching tuples in the other relation exist with null values (see, e.g. [8, 25]) The result tuples obtained by the full outer join operator again can be grouped into three classes: 1) those tuples ts, t S, for which the join condition holds, 2) tuples from r for which no matching tuples in s exist, and (3) tuples from s for which no matching tuples in r exist.** ....

[Article contains additional citation context not shown here]

A. Silberschatz, H. Korth, S. Sudarshan. *Database System Concepts* (4th Edition), McGrawHill, 2002.

Termination and Rollback in Language-Based Systems - Rudys (2002) (Correct)

....within transactions to prevent the offending cases. **The** resulting order is said to have the properties of serializability and strictness. **Conveniently**, a well known locking protocol, strict two phase locking, guarantees these properties. **Any textbook on databases, such as Silbershatz et al. [72], provides a more in depth coverage of this material.** For our system, then, each codelet runs within a transaction, utilizing the system memory as a database. **In** the rest of this section, we show how this can be integrated into a language system. **We** also discuss some issues that arise in adding ....

....in the cycle is terminated. **This** guarantees that at least one transaction in the system (the oldest) will never be terminated due to deadlock, and therefore that 52 deadlock will never prevent the system from making forward progress. **These concepts are well known in the field of databases [72].** Note that locks available to a language are not directly used in transactional rollback, although such language based locks, if available, may be used short term within critical sections of the lock manager. **As** a result, our deadlock detection scheme does not address deadlocks which are ....

A. Silbershatz, H. F. Korth, and S Sudarshan *Database System Concepts*. The McGraw-Hill Companies, Inc., 4th edition, 2002.

Legal Protection of Mobile P2P Databases - Pitkänen, Virtanen, Välimäki (2002) (Correct)

....data stored in database, and the relationships among the data. **On** view level, application programs hide details of data types. **Views** can hide information for security purposes. **There** can be different views for each user based on for example users needs, rights, and security requirements. **[7] It seems that many database systems perform this task in such an excellent way that most users cannot make distinction between the three levels of abstraction.** Instead they think that the view they see is the actual database. **Unfortunately**, the legislators do not seem be able to avoid that ....

....do not seem be able to avoid that confusion. **This** makes the legal analysis quite difficult. **What** is the subject matter of the database protection Is it the view a user sees or the actual data stored on the physical level or something in between Figure 3. **The** three levels of a database system. **[7] Let us get back to the legal definition of database in the directive: a collection of independent works, data or**